IN THE CLAIMS

Please amend the claims as follows:

Claims 1-12 (canceled)

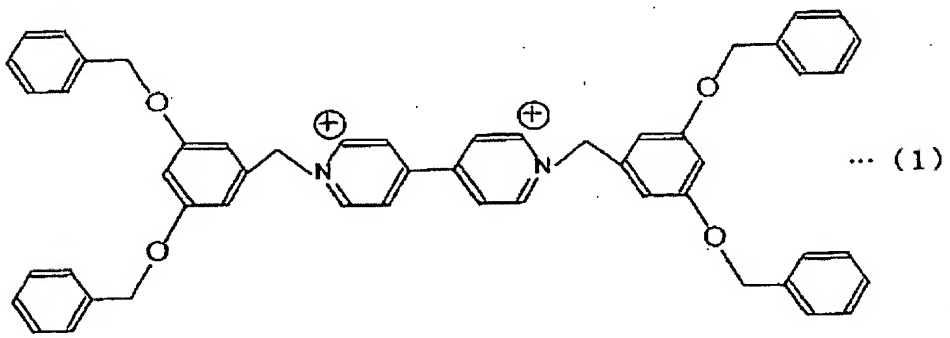
Claim 13 (new): A photochromic device comprising:

a photochromic layer comprising a photochromic material which exhibits absorbance in a visible region upon being sensitized by a light having a wavelength of not less than 700 nm; and

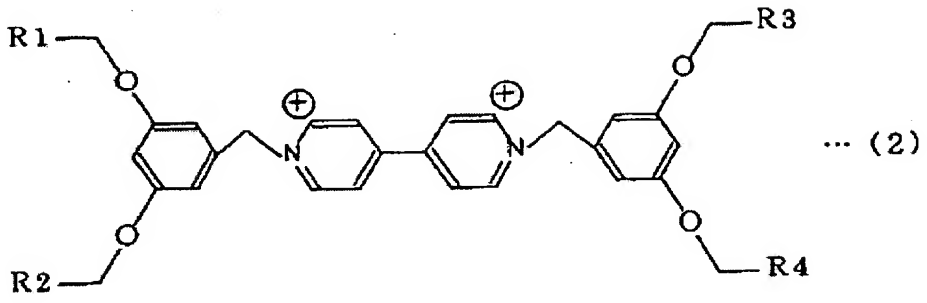
an ultraviolet light blocking device configured to block an ultraviolet light from sensitizing the photochromic material in the photochromic layer,

wherein the ultraviolet light blocking device comprises at least one of an ultraviolet shielding layer positioned to shield the photochromic layer from the ultraviolet light and an ultraviolet light absorber included in the photochromic layer.

Claim 14 (new): The photochromic device according to Claim 13, wherein the photochromic material comprises a compound selected from the group consisting of a 4,4'-bipyridine derivative represented by the formula (1), a 4,4'-bipyridine derivative represented by the formula (2), and a 4,4'-bipyridine derivative represented by the formula (3):

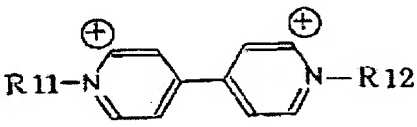


... (1)



... (2)

where R_1, R_2, R_3, and R_4 in the formula (2) are a condensed aromatic hydrocarbon or a derivative thereof and are the same or different from each other;



$2X^-$ ... (3)

where R_{11} and R_{12} in the formula (3) are an alkyl group having 1 to 10 carbon atoms or a derivative thereof, and are the same or different from each other, and X^- is selected from the group consisting of Cl^-, BF_4^-, PF_6^-, AsF_6^-, ClO_4^-, and NO_3^-.

Claim 15 (new): The photochromic device according to Claim 13, wherein the photochromic layer comprises a polymer matrix and the polymer matrix comprises one of a polymer selected from the group consisting of polyvinyl pyrolidone and polymethyl metacrylate and a polymer of a monomer selected from the group consisting of epoxy monomer, acrylic monomer and urethane monomer.

Claim 16 (new): The photochromic device according to Claim 13, wherein the photochromic layer comprises at least one solvent selected from the group consisting of dimethylformamide, dimethylacetamide, propylene carbonate, acetonitrile, gamma-butyllactone, and butanol.

Claim 17 (new): The photochromic device according to Claim 13, wherein the wavelength is in an infrared region and the absorbance has a peak at approximately 610 nm.

Claim 18 (new): A display apparatus comprising:

a light source configured to emit a light having a wavelength of not less than 700 nm;

a photochromic layer positioned to be irradiated by the light and comprising a photochromic material which exhibits absorbance within a visible region upon being sensitized by the light;

at least one substrate supporting the photochromic layer; and

an ultraviolet blocking device configured to block an ultraviolet light from sensitizing the photochromic material in the photochromic layer,

wherein the ultraviolet blocking device comprises at least one of an ultraviolet shielding layer positioned to shield the photochromic layer from the ultraviolet light and an ultraviolet light absorber included in the photochromic layer.

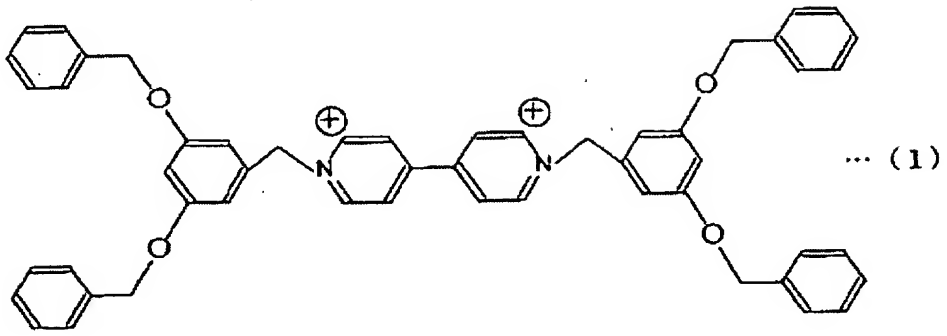
Claim 19 (new): The display apparatus according to Claim 18, wherein the wavelength is not less than 750 nm.

Claim 20 (new): The display apparatus according to Claim 19, wherein the absorbance has a peak at approximately 610 nm.

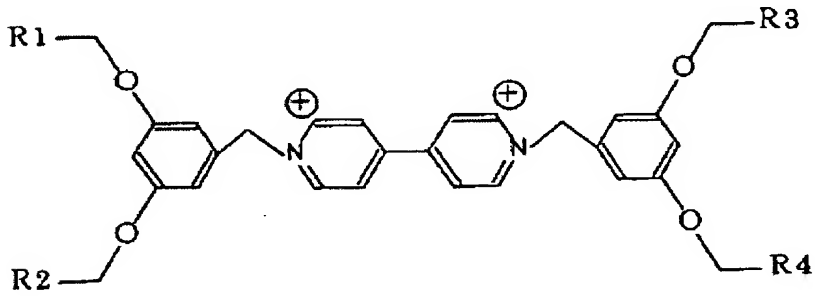
Claim 21 (new): The display apparatus according to Claim 18, wherein the light source comprises a xenon lamp.

Claim 22 (new): The display apparatus according to Claim 18, wherein the wavelength is in an infrared region and the absorbance has a peak at approximately 610 nm.

Claim 23 (new): The display apparatus according to Claim 18, wherein the photochromic material comprises a compound selected from the group consisting of a 4,4'-bipyridine derivative represented by the formula (1), a 4,4'-bipyridine derivative represented by the formula (2), and a 4,4'-bipyridine derivative represented by the formula (3):

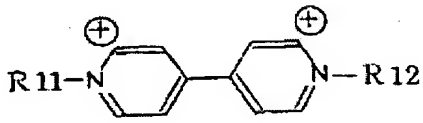


... (1)



... (2)

where R_1, R_2, R_3, and R_4 in the formula (2) are a condensed aromatic hydrocarbon or a derivative thereof and are the same or different from each other;



$2X^-$ ... (3)

where R_{11} and R_{12} in the formula (3) are an alkyl group having 1 to 10 carbon atoms or a derivative thereof, and are the same or different from each other, and X^- is selected from the group consisting of Cl^-, BF_4^-, PF_6^-, AsF_6^-, ClO_4^-, and NO_3^-.

Claim 24 (new): The display apparatus according to Claim 23, wherein the photochromic layer comprises a polymer matrix comprising one of a polymer selected from the group consisting of polyvinyl pyrolidone and polymethyl metacrylate and a polymer of a monomer selected from the group consisting of epoxy monomer, acrylic monomer and urethane monomer.

Claim 25 (new): The display apparatus according to Claim 23, wherein the at least one substrate comprises a plurality of substrates, the plurality of substrates comprise at least one of a transparent substrate and a light-reflective substrate, the photochromic layer comprises a solution containing the photochromic material, the solution is sealed between the transparent and light-reflective substrates, and the solution contains at least one solvent selected from the group consisting of dimethylformamide, dimethylacetamide, propylene carbonate, acetonitrile, gamma-butyllactone, and butanol.

Claim 26 (new): An anti-glare mirror apparatus comprising:

a light-reflective substrate;

a photochromic layer provided over the light-reflective substrate, the photochromic layer comprising a photochromic material which exhibits absorbance within a visible region upon being sensitized by a light having a wavelength of not less than 700 nm;

a transparent substrate provided over the photochromic layer; and

an ultraviolet light blocking device configured to block an ultraviolet light from sensitizing the photochromic material in the photochromic layer,

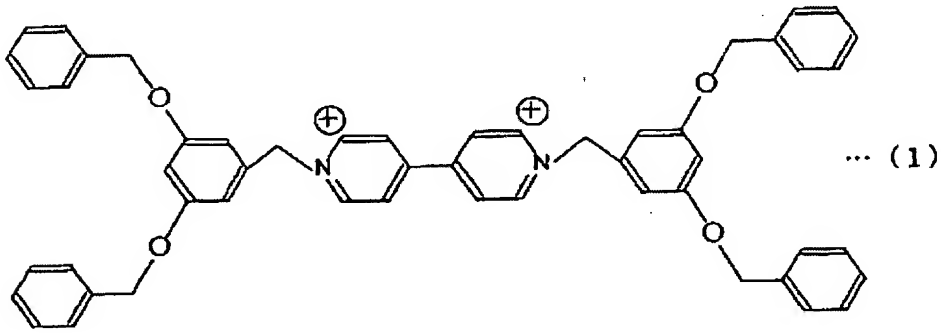
wherein the ultraviolet light blocking device comprises at least one of an ultraviolet shielding layer positioned to shield the photochromic layer from the ultraviolet light and an ultraviolet light absorber included in the photochromic layer.

Claim 27 (new): The anti-glare mirror apparatus according to Claim 26, wherein the wavelength is not less than 750 nm

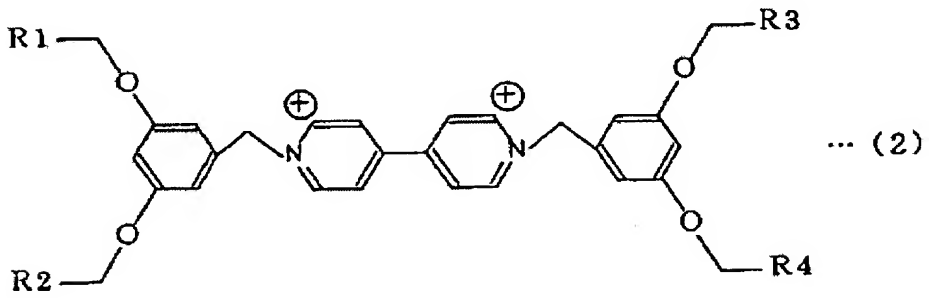
Claim 28 (new): The anti-glare mirror apparatus according to Claim 27, wherein the absorbance has a peak at approximately 610 nm.

Claim 29 (new): The anti-glare mirror apparatus according to Claim 26, wherein the wavelength is in an infrared region and the absorbance has a peak at approximately 610 nm.

Claim 30 (new): The anti-glare mirror apparatus according to Claim 26, wherein the photochromic material comprises a compound selected from the group consisting of a 4,4'-bipyridine derivative represented by the formula (1), a 4,4'-bipyridine derivative represented by the formula (2), and a 4,4'-bipyridine derivative represented by the formula (3):

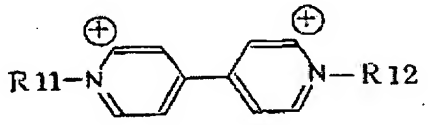


... (1)



... (2)

where R_1, R_2, R_3, and R_4 in the formula (2) are a condensed aromatic hydrocarbon or a derivative thereof and are the same or different from each other;



$2X^-$ ... (3)

where R_{11} and R_{12} in the formula (3) are an alkyl group having 1 to 10 carbon atoms or a derivative thereof, and are the same or different from each other, and X^- is selected from the group consisting of Cl^-, BF_4^-, PF_6^-, AsF_6^-, ClO_4^-, and NO_3^-.

Claim 31 (new): The anti-glare mirror apparatus according to Claim 30, wherein the photochromic layer comprises a polymer matrix comprising one of a polymer selected from the group consisting of polyvinyl pyrolidone and polymethyl metacrylate and a polymer of a monomer selected from the group consisting of epoxy monomer, acrylic monomer and urethane monomer.

Claim 32 (new): The anti-glare mirror apparatus according to Claim 30, wherein the photochromic layer comprises at least one solvent sealed between the light-reflective substrate and transparent substrate and selected from the group consisting of dimethylformamide, dimethylacetamide, propylene carbonate, acetonitrile, gamma-butyllactone, and butanol.